

FORECAST EARTH

EPA #1 - URBAN HEAT ISLAND EFFECT
HEAT & HEALTH

DATE 6/19/03
Final Script

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T/CODE	VIDEO	AUDIO
	ACT 1	ACT 1
	B-ROLL: SWELTERING, SMOG FILLED URBAN SCENES. WE SEE THROUGH SHIMMERING HEAT WAVES AN ASPHALT JUNGLE WITH CONCRETE BUILDINGS, TOO MANY CARS AND PEOPLE FANNING THEMSELVES FROM THE INTENSE HEAT.	(nat sounds - cars, street bustle) VO#1: EVERY YEAR, THOUSANDS OF AT RISK AMERICANS FALL VICTIM TO A SILENT KILLER -- HEAT.
	LARRY KALKSTEIN ON CAMERA	01:12:52 LARRY KALKSTEIN: Without a doubt, heat is the number one killer related to weather in the United States, much more than tornadoes, hurricanes, heart attacks from shoveling snow, or even cold weather itself.
	B-ROLL: URBAN SPRAWL (CONT'D FROM ABOVE)	VO#2: IN FACT, THE ENVIRONMENTAL PROTECTION AGENCY HAS DOCUMENTED AN UNHERALDED PHENOMENON CALLED THE "URBAN HEAT ISLAND EFFECT." A LIFE-THREATENING ENVIRONMENTAL CONDITION THAT MOST PEOPLE HAVE NEVER HEARD OF!
	INTERVIEWS ON CAMERA	Young Asian man in suit - 03:08:33 "Urban heat island effect?" White man - 02:46:20 "Islands off the coast?" Black Woman with White Woman - 02:56:25 white woman: "Don't know that one."
		VO#3: URBAN HEAT ISLANDS FORM AS VEGETATION IS REPLACED BY DARK COLORED SURFACES THAT ABSORB -- RATHER THAN REFLECT -- THE SUN'S HEAT.
	DR. DALE ON CAMERA	02:01:16 DALE QUATTROCHI: //which can raise temperatures five degrees- - seven degrees, even ten degrees or greater than surrounding rural areas.

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		-LARRY KALKSTEIN: We have found that there are well over a thousand extras deaths in an average summer in urban areas //So, it is quite clear in my mind that the urban heat island exacerbates these problems.
	B-ROLL: WEATHER TOWERS B-ROLL: DOPPLAR RADAR READOUTS	VO#4: WE'RE USED TO THE IDEA OF PREPARING FOR HURRICANES OR TORNADOES BUT EXTREME HEAT CAN REQUIRE JUST AS MUCH VIGILANCE. LARRY KALKSTEIN IS DEVELOPING A HEAT HEALTH WATCH SYSTEM THAT WILL HELP COMMUNITIES PROTECT CITIZENS.
	LARRY KALKSTEIN ON CAMERA B-ROLL: EMERGENCY MANAGEMENT COMMUNITY	01:21:08 LARRY KALKSTEIN: //these heat health watch warning systems warn city officials, meteorologists, health personnel and so on that weather over the next couple of days might be debilitating to human health.
		SOT: Weather reporter "Dangerous heat as well in Little Rock, at 106, 108 in Housto//"
	B-ROLL: SMOGGY CITYSCAPES	VO#5: AND THE INSUFFERABLE HEAT IS JUST ONE PIECE OF THE PROBLEM.
		02:20:34 DALE QUATTROCHI: //the urban heat island effect does in fact make ground level ozone worse. 02:05:48 Ozone is // a very serious pollutant. We can't see it. We can't smell it, but it has very harmful effects on our respiratory system.
		VO #6: ON TOP OF THE SMOG AND HEALTH HAZARDS ARE SKYROCKETING ELECTRIC BILLS.
		VO #7: BY THE YEAR 2025, TWO-THIRDS OF THE WORLD WILL BE LIVING IN URBAN SETTINGS – MAKING IT VITAL TO UNDERSTAND THE URBAN HEAT ISLAND EFFECT AND LESSEN ITS HARMFUL CONSEQUENCES.

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		SOT: Yolonda "We need to make some changes right away and cool down these cities."
	THE END	